

SeaQuest AEM Update

Bryan Ramson

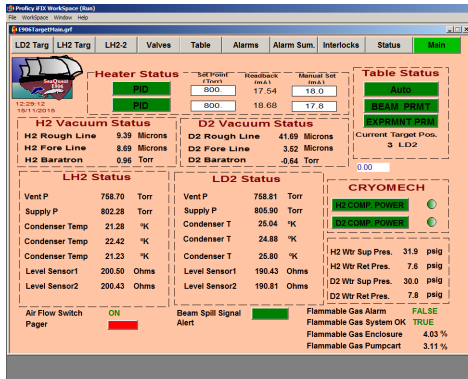
University of Michigan

bjrams@umich.edu

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Target Work

- ▶ New Flask Pressure Sensors Installed, Wired, and Calibrated
- ▶ New Insulation Vacuum Sensors Wired and Calibrated
- ▶ Deuterium Target Filled, Hydrogen Target Topped Up



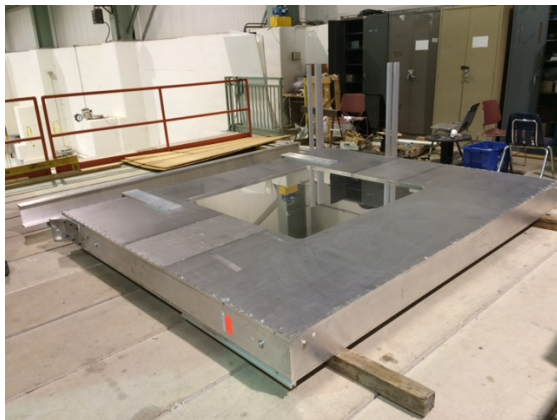
Station 1.

Station 1 Drift Chamber (D1) became Ohmic and tripped off after reaching 1750V in place

- ▶ Ar/CO₂ cycled into chamber
- ▶ D1 craned into loading dock for work and opened
- ▶ Difficult to pin down short, assumed loose wire fragment shifted



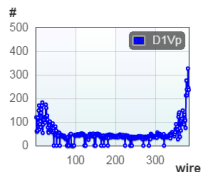
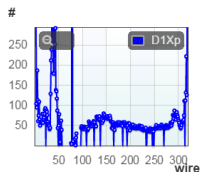
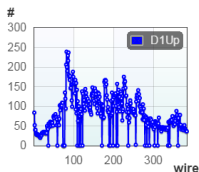
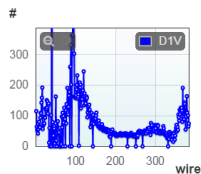
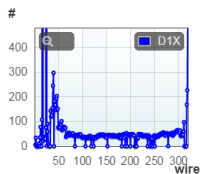
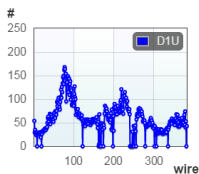
Station 1 (Cont.)



After putting back together, D1 held 1850V overnight, @ $< 2.5\mu\text{A}$

Station 1 (Cont.)

- ▶ D1 craned back into place
- ▶ Refilled with Ar/CO₂
- ▶ Low voltage operation succesful



- ▶ Currently cycling in flammable gas for increased D1 efficiency
- ▶ New trigger tested and implemented

Stable running before end of the week!!!